

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	316	385/125.ccls.	USPAT	OR	OFF	2005/04/18 13:53
S2	68	silica with glass and 385/125.ccls.	USPAT	OR	OFF	2004/06/24 08:19
S3	226	((silica adj glass) with waveguide) and "385"/.ccls.	USPAT	OR	OFF	2004/06/24 08:34
S4	0	((silica adj glass) with waveguide) and (changing with (pulse adj width)) and "385"/.ccls.	USPAT	OR	OFF	2004/06/24 08:35
S5	15	waveguide and (changing with (pulse adj width)) and "385"/.ccls.	USPAT	OR	OFF	2004/06/24 08:49
S6	2	(waveguide and (changing with (pulse adj width)) and "385"/.ccls.) and (silica adj glass)	USPAT	OR	OFF	2004/06/24 08:39
S7	31	(silica adj glass) and (optical adj waveguide) and (pulse adj width)	USPAT	OR	OFF	2004/06/24 09:08
S8	2	(optical adj waveguide) with (glass) and (laser adj pulses) and (pulse adj width)	USPAT	OR	OFF	2004/06/24 09:09
S9	122	(optical adj waveguide) with (silica glass) with (laser)	USPAT	OR	OFF	2004/06/24 09:36
S10	1330	385/123.ccls.	USPAT	OR	OFF	2004/06/24 14:44
S11	44	(optical adj waveguide) and (pulse adj width) and femtosecond	USPAT	OR	OFF	2004/06/24 14:45
S12	2	(pure with silica) and (femtosecond with laser) and (high with index) and (mode with field)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 08:25
S13	14	(pure with silica) and (femtosecond with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 09:10
S14	235	silica and (femtosecond with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 08:39
S15	6	("3542536" "4022602" "4090776" "4710605" "5136677" "5620496").PN.	USPAT	OR	OFF	2004/10/07 08:41
S16	7	"5978538".URPN.	USPAT	OR	OFF	2004/10/07 08:42
S17	0	"20020076655".URPN.	USPAT	OR	OFF	2004/10/07 08:43
S18	1	"6573026".URPN.	USPAT	OR	OFF	2004/10/07 08:43

S19	17	("4270130" "4641924" "4847138" "5157674" "5178978" "5253198" "5285517" "5289407" "5325324" "5627933" "5656186" "5675691" "5761111" "5841928" "5919607" "5978538" "6075625").PN.	USPAT	OR	OFF	2004/10/07 08:43
S20	1	"6633419".URPN.	USPAT	OR	OFF	2004/10/07 08:47
S21	1	"5786560".PN.	USPAT	OR	OFF	2004/10/07 08:47
S22	5	("5684621" "5764403" "5866200" "5978538" "6327074").PN.	USPAT	OR	OFF	2004/10/07 08:48
S23	0	"6729161".URPN.	USPAT	OR	OFF	2004/10/07 08:48
S24	0	"6729161".URPN.	USPAT	OR	OFF	2004/10/07 08:48
S25	0	"6729161".URPN.	USPAT	OR	OFF	2004/10/07 08:48
S26	16	(US-6442313-\$ or US-6754429-\$ or US-6628877-\$ or US-6577782-\$ or US-6633419-\$ or US-6573026-\$ or US-6640039-\$ or US-6154593-\$ or US-5978538-\$ or US-6678433-\$ or US-6796148-\$ or US-6729161-\$ or US-5656186-\$ or US-5761111-\$ or US-5786560-\$).did. or (US-20020076655-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/10/07 08:49
S27	3	((US-6442313-\$ or US-6754429-\$ or US-6628877-\$ or US-6577782-\$ or US-6633419-\$ or US-6573026-\$ or US-6640039-\$ or US-6154593-\$ or US-5978538-\$ or US-6678433-\$ or US-6796148-\$ or US-6729161-\$ or US-5656186-\$ or US-5761111-\$ or US-5786560-\$).did. or (US-20020076655-\$).did.) and (pure with silica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 09:33
S28	17	(pure with silica) and ((femtosecond or "fs") with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 09:10
S29	3	((pure with silica) and ((femtosecond or "fs") with laser)) not ((pure with silica) and (femtosecond with laser))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 09:10

S30	99	("5499134" "6154310" "5251230" "5956173" "5305403" "6334011" "6456760" "6538298" "6778565" "6111416" "5208455" "5952818" "4870295" "4896109" "5007059" "6122419" "6025944" "6181463" "6208458" "5663972" "5987049" "5696782" "5734503" "5359612" "5377043" "5400350" "5668647" "5799025" "5953354" "6097741" "4612641" "4815080" "4853595" "4913520" "4932031" "5296960" "5365366" "5406408" "5434873" "5579152" "5778016" "5812308" "5867304" "5912915" "6055261" "6072811" "4464761" "4972423" "5017806" "5054027").pn. ("5227912" "5265109" "5293397" "5323260" "5406194" "5546415" "5546222" "5553093" "5764679" "5828484" "5847861" "5852620" "6141127" "6212215" "6212215" "6252892" "6256328" "6275512" "6314115" "6345061" "6393035" "6396856" "6449301" "6466604" "6549547" "6618423" "6661816" "6744555" "6775053" "6175437" "5651079" "5963683" "5946085" "6456380" "6751386" "5627848" "5007717" "5367528" "5479422" "5572358" "5592327" "6400864" "6573026" "6633419" "6181429" "6028723" "6081543" "5530544" "5738101" "5847863").pn.	USPAT	OR	OFF	2004/10/07 09:57
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S32	99	("5499134" "6154310" "5251230" "5956173" "5305403" "6334011" "6456760" "6538298" "6778565" "6111416" "5208455" "5952818" "4870295" "4896109" "5007059" "6122419" "6025944" "6181463" "6208458" "5663972" "5987049" "5696782" "5734503" "5359612" "5377043" "5400350" "5668647" "5799025" "5953354" "6097741" "4612641" "4815080" "4853595" "4913520" "4932031" "5296960" "5365366" "5406408" "5434873" "5579152" "5778016" "5812308" "5867304" "5912915" "6055261" "6072811" "4464761" "4972423" "5017806" "5054027").pn. ("5227912" "5265109" "5293397" "5323260" "5406194" "5546415" "5546222" "5553093" "5764679" "5828484" "5847861" "5852620" "6141127" "6212215" "6212215" "6252892" "6256328" "6275512" "6314115" "6345061" "6393035" "6396856" "6449301" "6466604" "6549547" "6618423" "6661816" "6744555" "6775053" "6175437" "5651079" "5963683" "5946085" "6456380" "6751386" "5627848" "5007717" "5367528" "5479422" "5572358" "5592327" "6400864" "6573026" "6633419" "6181429" "6028723" "6081543" "5530544" "5738101" "5847863").pn.) and femtosecond	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 10:00
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S33	22	(("5499134" "6154310" "5251230" "5956173" "5305403" "6334011" "6456760" "6538298" "6778565" "6111416" "5208455" "5952818" "4870295" "4896109" "5007059" "6122419" "6025944" "6181463" "6208458" "5663972" "5987049" "5696782" "5734503" "5359612" "5377043" "5400350" "5668647" "5799025" "5953354" "6097741" "4612641" "4815080" "4853595" "4913520" "4932031" "5296960" "5365366" "5406408" "5434873" "5579152" "5778016" "5812308" "5867304" "5912915" "6055261" "6072811" "4464761" "4972423" "5017806" "5054027").pn. ("5227912" "5265109" "5293397" "5323260" "5406194" "5546415" "5546222" "5553093" "5764679" "5828484" "5847861" "5852620" "6141127" "6212215" "6212215" "6252892" "6256328" "6275512" "6314115" "6345061" "6393035" "6396856" "6449301" "6466604" "6549547" "6618423" "6661816" "6744555" "6775053" "6175437" "5651079" "5963683" "5946085" "6456380" "6751386" "5627848" "5007717" "5367528" "5479422" "5572358" "5592327" "6400864" "6573026" "6633419" "6181429" "6028723" "6081543" "5530544" "5738101" "5847863").pn.) and silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 10:00
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S35	17	(US-6442313-\$ or US-6754429-\$ or US-6628877-\$ or US-6577782-\$ or US-6633419-\$ or US-6573026-\$ or US-6640039-\$ or US-6154593-\$ or US-5978538-\$ or US-6678433-\$ or US-6796148-\$ or US-6729161-\$ or US-5656186-\$ or US-5761111-\$ or US-5786560-\$ or US-5305403-\$).did. or (US-20020076655-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/10/07 10:23

S36	13	((US-6442313-\$ or US-6754429-\$ or US-6628877-\$ or US-6577782-\$ or US-6633419-\$ or US-6573026-\$ or US-6640039-\$ or US-6154593-\$ or US-5978538-\$ or US-6678433-\$ or US-6796148-\$ or US-6729161-\$ or US-5656186-\$ or US-5761111-\$ or US-5786560-\$ or US-5305403-\$).did. or (US-20020076655-\$).did.) and ((pulse with width) or (pulse with duration))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 10:24
S37	152732	(pulse with width) or (pulse with duration) and ((femto\$second) or ("fs") with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:22
S38	1249	((pulse with width) or (pulse with duration)) and ((femto\$second) or ("fs") with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:23
S39	296	((pulse with width) or (pulse with duration)) same chang\$5) and ((femto\$second) or ("fs") with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:25
S40	709	((pulse with width) or (pulse with duration)) and (femto\$second with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:24
S41	530	((pulse with width) or (pulse with duration) same chang\$5) and (femto\$second with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:25
S42	183	((pulse with width) or (pulse with duration)) same chang\$5) and ((femto\$second) with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:26
S43	99	((pulse with width) or (pulse with duration)) with chang\$5) and ((femto\$second) with laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:28
S44	27	((pulse with width) or (pulse with duration)) and ((femto\$second) with laser) and (wave\$guide\$1 with diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:30
S45	9	((pulse with width) or (pulse with duration)) with chang\$5) and ((femto\$second) with laser) and (wave\$guide\$1 with diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/07 13:31

S47	9	((pulse with width) or (pulse with duration)) with chang\$5) and ((femto\$second) with laser) and (wave\$guide\$1 with diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/17 08:28
S48	1	("20030021536").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/18 13:53
S49	0	("2003/0021536").URPN.	USPAT	OR	ON	2005/04/18 13:53
S50	19	((method or process) with waveguide\$1) and (condenser with aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 13:55
S51	21	((method or process) with waveguide\$1) and (condenser with ("NA" or aperture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:02
S52	0	("2004/0047578").URPN.	USPAT	OR	ON	2005/04/18 14:00
S53	33	((method or process or forming or making) with waveguide\$1) and (condenser with ("NA" or aperture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:02
S54	12	S53 not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:04
S55	13645	("NA" or (numerical adj aperture)) with ("0.5" or ".5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:05
S56	5022	("NA" or (numerical adj aperture)) near3 ("0.5" or ".5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:06
S57	479	condenser and ("NA" or (numerical adj aperture)) near3 ("0.5" or ".5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:07

S58	19	waveguide and condenser and ("NA" or (numerical adj aperture)) near3 ("0.5" or ".5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:10
S59	92	waveguide and (condenser same ("NA" or (numerical adj aperture)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:11
S60	68	S59 not (S58 or S53 or S51)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 14:19

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Result # 1 Relevance: ○○○○○○

**PREVIEW**
this document**Instantaneous and Controlled Excitation of the Space in Planar Processed Multi-Mode Waveguides Obtain Lithographically Defined Lenses in the Waveguide**

19-Mar-2005

IPCOM000105380D

English

In optical chip interconnects using multi-mode waveguides it is importance to minimize the modal noise induced bit-error-rate. This BER floor declines as the number of waveguide modes increases. It is of advantage to use waveguides that support ...

Result # 2 Relevance: ○○○○○○

**PREVIEW**
this document**Offset Laser to Groove Waveguide Coupler**

04-Mar-2005

IPCOM000089175D

English

A GaAs laser array is coupled to channel groove optical waveguide by mounting the laser source directly onto the silicon substrate waveguides and deflecting the laser output downward with a first surface and then laterally with a second ...

Result # 3 Relevance: ○○○○○○

**PREVIEW**
this document**Method for a silicon nanowire waveguide for Ram amplification**

14-Apr-2005

IPCOM000124273D

English

Disclosed is a method for a silicon nanowire waveguide for Ram amplification. Benefits include improved functionality and improved performance.

Result # 4 Relevance: ○○○○○○

**PREVIEW**
this document**Rapid assay for detection of endotoxins**

12-Sep-2000

IPCOM000001751D

English

The presently claimed invention is an apparatus and method for detection of endotoxin via a competitive assay.

Result # 5 Relevance: ○○○○○○

**PREVIEW**
this document**Optical Rotary Joint for Optical Scanner**

04-Mar-2005

IPCOM000088542D

English

The key component for a fiber scanner is the input optical rotary joint. The efficient coupling of the incident light to the rotating Coupling schemes have been proposed wherein the fiber is located at a point of a lens. As the lens and ...

Result # 6 Relevance: ○○○○○○

**PREVIEW**
this document**Nanometer Drilling with Nanometer Precision Using Optics**

14-Oct-2004

IPCOM000031846D

English

A new laser-machining technology is being developed to fabricate nanometer scale, features in ambient condition with precision. We use NSOM (near-field scanning optical microscope)

femto-second pulses to machine targeted substrate ...

Result # 7 Relevance: 



PREVIEW
this document

Safety Closure For Fiber-Optic Devices

20-Feb-2005

IPCOM000068096D

English

In the interconnection of fiber-optic materials, such as plastic, or plastic-clad silica fibers, for signal transmission via light energy, source can be of several types, such as LED, LASER, or even an source. However, they all produce a ...

Result # 8 Relevance: 



PREVIEW
this document

Surface extraction from a three-dimensional data set

12-Sep-2000

IPCOM000001510D

English

Surface image data representing a three-dimensional surface is a three-dimensional set of data representing characteristics of a space (volumetric data) that encompasses the surface of an object. Surface image data can be used to display ...

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 Sheldon Sillyman, Kenneth K. Li, and Seiji Inatsugu
 Proc. SPIE Int. Soc. Opt. Eng. **5529**, 70 (2004) PDF (239 kB)

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2. ☐ **Computer simulation of physical phenomena in waveguide acousto-optical devices for photonic systems**
 Nikolai V. Masalsky
 Proc. SPIE Int. Soc. Opt. Eng. **3737**, 125 (1999) PDF (542 kB)

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3. ☐ **Multistage polymeric lens structure in silica-waveguides for photonic functional circuits**
 Atsushi Tate, Takanori Suzuki, and Hiroyuki Tsuda
 Proc. SPIE Int. Soc. Opt. Eng. **5724**, 328 (2005) PDF (395 kB)

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4. ☐ **Planar integrated free-space optics for optical interconnect fan-out/in operations**
 Manfred Jarczyński and Juergen Jahns
 Proc. SPIE Int. Soc. Opt. Eng. **5556**, 15 (2004) PDF (1361 kB)

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5. ☐ **Polymer focusing grating coupler implemented by nanoin method for the use of blue laser**

Hojun Ryu, Dongwoo Suh, Yongwoo Park, and Muncheol Paek
Proc. SPIE Int. Soc. Opt. Eng. **5380**, 729 (2004) PDF (1051 kB)

- 77%** 6. ☐ **Waveguide of amorphous perfluoropolymer for visible light**
Kentaro Sasaki, Norikazu Kawamura, Haruki Tokumaru, Shoichi Nakamura, and Yoshihiko Sakane
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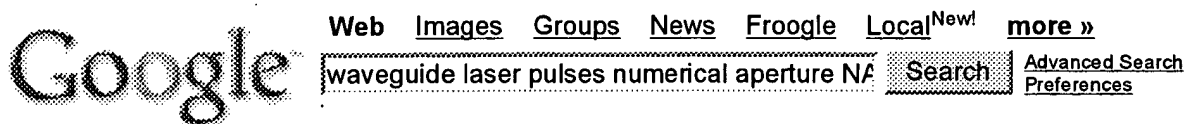
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